

LISTING OF THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the Application.

1. (Previously Presented) A device for removing heat from an electronic component, comprising:

a heat sink adapted to couple to said electronic component and conduct heat there from; and

an appurtenance having a plurality of fins coupled to said heat sink and adapted to transfer said heat into a fluid medium, said fins oriented at an angle with respect to a plurality of flow streams of said fluid medium, wherein spaces between said fins are substantially even and said flow streams flow in unique directions from a first end of at least two separate sets of said fins towards a second end opposite from said first end;

wherein a plurality of fans are disposed and direct discharges in said unique directions substantially horizontally with respect to said first end into said spaces to provide a motive force to said flow streams.

2. (Previously Presented) The device as recited in Claim 1 wherein said fins comprise a substantially curved shape.

3. (Original) The device as recited in Claim 1 wherein said appurtenance comprises an integral part of said heat sink.

4. (Original) The device as recited in Claim 1 wherein each said flow stream of said plurality is oriented substantially orthogonal to each other said flow stream of said plurality.

5. (Previously Presented) The device as recited in Claim 4 wherein said fins are oriented in an aspect comprising a substantially obtuse angle from each said flow stream.

6-7. (Cancelled)

8. (Original) The device as recited in Claim 1 wherein said fins function to change each said unique direction.

9. (Previously Presented) A device for removing heat from an electronic component, comprising:
a heat sink adapted to couple to said electronic component and conduct heat therefrom; and

an appurtenance having a plurality of curved fins coupled to said heat sink and adapted to transfer said heat into a fluid medium and to gradually change unique directions of a plurality of flow streams of said fluid medium from a first end of at least two separate sets of said fins along a curved contour thereof towards a second end opposite from said first end in substantially even spaces between said fins;

wherein a plurality of fans is disposed and direct discharges in said unique directions substantially horizontally with respect to said first end into said spaces to provide a motive force to said flow streams.

10. (Original) The device as recited in Claim 9 wherein said appurtenance comprises an integral part of said heat sink.

11. (Original) The device as recited in Claim 9 wherein each said flow stream of said plurality is oriented substantially orthogonal to each other said flow stream of said plurality.

12. (Withdrawn) The device as recited in Claim 9 wherein each said flow stream of said plurality is oriented at an acute angle to each other said flow stream of said plurality.

13. (Original) The device as recited in Claim 9 wherein said fins function to effect a change in each said unique direction and wherein said change comprises a gradual change.

14. (Previously Presented) A method for removing heat from an electronic component, comprising:

directing a plurality of flow streams of a fluid medium in unique directions with respect to each other towards first ends of at least two sets of a plurality of fins of an appurtenance coupled to a heat sink and disposed to conduct heat from said electronic component; and

changing said direction within substantially even spaces between said fins towards a second end of said sets of fins opposite from said first end, wherein said flow streams receive motive force from a plurality of fans and comprise discharges thereof wherein said fans are disposed and direct said discharges in said unique directions substantially horizontally with respect to said first end of said fins and into said spaces.

15. (Cancelled)

16. (Previously Presented) The method as recited in Claim 14, wherein said fins are oriented in an aspect comprising a substantially obtuse angle from each said flow stream.

17. (Withdrawn) The method as recited in Claim 15, wherein prior to said changing, each said flow stream of said plurality is oriented at an acute angle to each other said flow stream of said plurality and said fins are oriented in an aspect substantially at an obtuse angle from each said flow stream.

18. (Original) The method as recited in Claim 14 wherein said fins comprise a substantially curved shape and wherein said changing is performed gradually.

19. (Original) The method as recited in Claim 18 wherein each said flow stream of said plurality is oriented substantially orthogonal to each other said flow stream of said plurality.

20. (Withdrawn) The device as recited in Claim 18 wherein each said flow stream of said plurality is oriented at an acute angle to each other said flow stream of said plurality.